1600

RAW SEQUENCE LISTING   DATE: 08/14/2003
PATENT APPLICATION: US/09/834,792C   TIME: 15:04:01

Input Set : A:\pto.da.txt
Output Set: N:\CRF4\08142003\I834792C.raw

```
 3 <110> APPLICANT: Mount Sinai School of Medicine of NYU
 5 <120> TITLE OF INVENTION: TRP8, A TRANSIENT RECEPTOR POTENTIAL
 6       CHANNEL EXPRESSED IN TASTE RECEPTOR CELL
 9 <130> FILE REFERENCE: 1270-007
11 <140> CURRENT APPLICATION NUMBER: 09/834,792C
12 <141> CURRENT FILING DATE: 2001-04-13
14 <150> PRIOR APPLICATION NUMBER: 60/197,491
15 <151> PRIOR FILING DATE: 2000-04-17
17 <160> NUMBER OF SEQ ID NOS: 4
19 <170> SOFTWARE: Windows 2000 MS DOS w/ line breaks
```

Does Not Comply
Corrected Diskette Needed

ERRORED SEQUENCES

P.4

```
326 <210> SEQ ID NO: 4
327 <211> LENGTH: 1165
328 <212> TYPE: PRT
329 <213> ORGANISM: Human
331 <400> SEQUENCE: 4
332 Met Gln Asp Val Gln Gly Pro Arg Pro Gly Ser Pro Gly Asp Ala Glu
333 1               5.                  10                  15
334 Asp Arg Arg Glu Leu Gly Leu His Arg Gly Glu Val Asn Phe Gly Gly
335             20                  25                  30
336 Ser Gly Lys Lys Arg Gly Lys Phe Val Arg Val Pro Ser Gly Val Ala
337             35                  40                  45
338 Pro Ser Val Leu Phe Asp Leu Leu Leu Ala Glu Trp His Leu Pro Ala
339     50                  55                  60
340 Pro Asn Leu Val Val Ser Leu Val Gly Glu Glu Gln Pro Phe Ala Met
341 65                  70                  75                  80
342 Lys Ser Trp Leu Arg Asp Val Leu Arg Lys Gly Leu Val Lys Ala Ala
343             85                  90                  95
344 Gln Ser Thr Gly Ala Trp Ile Leu Thr Ser Ala Leu Arg Val Gly Leu
345             100                 105                 110
346 Ala Arg His Val Gly Gln Ala Val Arg Asp His Ser Leu Ala Ser Thr
347             115                 120                 125
349 Ser Thr Lys Val Arg Val Val Ala Val Gly Met Ala Ser Leu Gly Arg
350     130                 135                 140
351 Val Leu His Arg Arg Ile Leu Glu Glu Ala Gln Glu Asp Phe Pro Val
352 145                 150                 155                 160
353 His Tyr Pro Glu Asp Asp Gly Gly Ser Gln Gly Pro Leu Cys Ser Leu
354             165                 170                 175
355 Asp Ser Asn Leu Ser His Phe Ile Leu Val Glu Pro Gly Pro Pro Gly
356             180                 185                 190
```

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357 Lys Gly Asp Gly Leu Thr Glu Leu Arg Leu Arg Leu Glu Lys His Ile
358   195   200   205
359 Ser Glu Gln Arg Ala Gly Tyr Gly Gly Thr Gly Ser Ile Glu Ile Pro
360   210   215   220
361 Val Leu Cys Leu Leu Val Asn Gly Asp Pro Asn Thr Leu Glu Arg Ile
362 225   230   235   240
363 Ser Arg Ala Val Glu Gln Ala Ala Pro Trp Leu Ile Leu Val Gly Ser
364   245   250   255
365 Gly Gly Ile Ala Asp Val Leu Ala Ala Leu Val Asn Gln Pro His Leu
366   260   265   270
367 Leu Val Pro Lys Val Ala Glu Lys Gln Phe Lys Glu Lys Phe Pro Ser
368   275   280   285
369 Lys His Phe Ser Trp Glu Asp Ile Val Arg Trp Thr Lys Leu Leu Gln
370   290   295   300
371 Asn Ile Thr Ser His Gln His Leu Leu Thr Val Tyr Asp Phe Glu Gln
372 305   310   315   320
373 Glu Gly Ser Glu Glu Leu Asp Thr Val Ile Leu Lys Ala Leu Val Lys
374   325   330   335
375 Ala Cys Lys Ser His Ser Gln Glu Pro Gln Asp Tyr Leu Asp Glu Leu
376   340   345   350
377 Lys Leu Ala Val Ala Trp Asp Arg Val Asp Ile Ala Lys Ser Glu Ile
378   355   360   365
379 Phe Asn Gly Asp Val Glu Trp Lys Ser Cys Asp Leu Glu Glu Val Met
380   370   375   380
381 Val Asp Ala Leu Val Ser Asn Lys Pro Glu Phe Val Arg Leu Phe Val
382 385   390   395   400
383 Asp Asn Gly Ala Asp Val Ala Asp Phe Leu Thr Tyr Gly Arg Leu Gln
384   405   410   415
385 Glu Leu Tyr Arg Ser Val Ser Arg Lys Ser Leu Leu Phe Asp Leu Leu
386   420   425   430
387 Gln Arg Lys Gln Glu Glu Ala Arg Leu Thr Leu Ala Gly Leu Gly Thr
388   435   440   445
389 Gln Gln Ala Arg Glu Pro Pro Ala Gly Pro Pro Ala Phe Ser Leu His
390   450   455   460
391 Glu Val Ser Arg Val Leu Lys Asp Phe Leu Gln Asp Ala Cys Arg Gly
393 465   470   475   480
394 Phe Tyr Gln Asp Gly Arg Pro Gly Asp Arg Arg Arg Ala Glu Lys Gly
395   485   490   495
396 Pro Ala Lys Arg Pro Thr Gly Gln Lys Trp Leu Leu Asp Leu Asn Gln
397   500   505   510
398 Lys Ser Glu Asn Pro Trp Arg Asp Leu Phe Leu Trp Ala Val Leu Gln
399   515   520   525
400 Asn Arg His Glu Met Ala Thr Tyr Phe Trp Ala Met Gly Gln Glu Gly
401   530   535   540
402 Val Ala Ala Ala Leu Ala Ala Cys Lys Ile Leu Lys Glu Met Ser His
403 545   550   555   560
404 Leu Glu Thr Glu Ala Glu Ala Ala Arg Ala Thr Arg Glu Ala Lys Tyr
405   565   570   575
406 Glu Arg Leu Ala Leu Asp Leu Phe Ser Glu Cys Tyr Ser Asn Ser Glu

```
407                580                585                 590
408 Ala Arg Ala Phe Ala Leu Leu Val Arg Arg Asn Arg Cys Trp Ser Lys
409         595                600                605
410 Thr Thr Cys Leu His Leu Ala Thr Glu Ala Asp Ala Lys Ala Phe Phe
411     610                615                620
412 Ala His Asp Gly Val Gln Ala Phe Leu Thr Arg Ile Trp Trp Gly Asp
413 625                630                635                640
414 Met Ala Ala Gly Thr Pro Ile Leu Arg Leu Leu Gly Ala Phe Leu Cys
415                645                650                655
416 Phe Ala Leu Val Tyr Thr Asn Leu Ile Thr Phe Ser Glu Glu Ala Pro
417         660                665                670
418 Leu Arg Thr Gly Leu Glu Asp Leu Gln Asp Leu Asp Ser Leu Asp Thr
419         675                680                685
420 Glu Lys Ser Pro Leu Tyr Gly Leu Gln Ser Arg Val Glu Glu Leu Val
421     690                695                700
422 Glu Ala Pro Arg Ala Gln Gly Asp Arg Gly Pro Arg Ala Val Phe Leu
423 705                710                715                720
424 Leu Thr Arg Trp Arg Lys Phe Trp Gly Ala Pro Val Thr Val Phe Leu
425                725                730                735
426 Gly Asn Val Val Met Tyr Phe Ala Phe Leu Phe Leu Phe Thr Tyr Val
427         740                745                750
428 Leu Leu Val Asp Phe Arg Pro Pro Pro Gln Gly Pro Ser Gly Pro Glu
429         755                760                765
430 Val Thr Leu Tyr Phe Trp Val Phe Thr Leu Val Leu Glu Glu Ile Arg
431     770                775                780
432 Gln Gly Phe Phe Thr Asp Glu Asp Thr His Leu Val Lys Lys Phe Thr
433 785                790                795                800
434 Leu Tyr Val Gly Asp Asn Trp Asn Lys Cys Asp Met Val Ala Ile Phe
435                805                810                815
436 Leu Phe Ile Val Gly Val Thr Cys Arg Met Leu Pro Ser Ala Phe Glu
437         820                825                830
438 Ala Gly Arg Thr Val Leu Ala Met Asp Phe Met Val Phe Thr Leu Arg
439         835                840                845
440 Leu Ile His Ile Phe Ala Ile His Lys Gln Leu Gly Pro Lys Ile Ile
441     850                855                860
442 Val Val Glu Arg Met Met Lys Asp Val Phe Phe Phe Leu Phe Phe Leu
443 865 .                870                875                880
444 Ser Val Trp Leu Val Ala Tyr Gly Val Thr Thr Gln Ala Leu Leu His
445                885                890                895
446 Pro His Asp Gly Arg Leu Glu Trp Ile Phe Arg Arg Val Leu Tyr Arg
447         900                905                910
448 Pro Tyr Leu Gln Ile Phe Gly Gln Ile Pro Leu Asp Glu Ile Asp Glu
449         915                920                925
450 Ala Arg Val Asn Cys Ser Thr His Pro Leu Leu Leu Glu Asp Ser Pro
451     930                935                940
452 Ser Cys Pro Ser Leu Tyr Ala Asn Trp Leu Val Ile Leu Leu Leu Val
453 945                950                955                960
454 Thr Phe Leu Leu Val Thr Asn Val Leu Leu Met Asn Leu Leu Ile Ala
455                965                970                975
```

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```
456 Met Phe Ser Tyr Thr Phe Gln Val Val Gln Gly Asn Ala Thr Met Phe
457         980                 985                 990
458 Trp Lys Phe Gln Arg Tyr Asn Leu Ile Val Glu Tyr His Glu Arg Pro
459         995                 1000                1005
460 Ala Leu Ala Pro Pro Phe Ile Leu Leu Ser His Leu Ser Leu Thr Leu
461     1010                1015                1020
462 Arg Arg Val Phe Lys Lys Glu Ala Glu His Lys Arg Glu His Leu Glu
463 1025                1030                1035                1040
464 Arg Asp Leu Pro Asp Pro Leu Asp Gln Lys Val Val Thr Trp Glu Thr
465             1045                1050                1055
466 Val Gln Lys Glu Asn Phe Leu Ser Lys Met Glu Lys Arg Arg Arg Asp
467             1060                1065                1070
468 Ser Glu Gly Glu Val Leu Arg Lys Thr Ala His Arg Val Asp Phe Ile
469         1075                1080                1085
470 Ala Lys Tyr Leu Gly Gly Leu Arg Glu Gln Glu Lys Arg Ile Lys Cys
471     1090                1095                1100
472 Leu Glu Ser Gln Ile Asn Tyr Cys Ser Val Leu Val Ser Ser Val Ala
473 1105                1110                1115                1120
474 Asp Val Leu Ala Gln Gly Gly Gly Pro Arg Ser Ser Gln His Cys Gly
475             1125                1130                1135
476 Glu Gly Ser Gln Leu Val Ala Ala Asp His Arg Gly Gly Ile Asp Gly
477             1140                1145                1150
478 Trp Glu Gln Pro Gly Ala Gly Gln Pro Pro Ser Asp Thr
479         1155                1160                1165
E--> 496 1
```

VERIFICATION SUMMARY
PATENT APPLICATION: US/09/834,792C

DATE: 08/14/2003
TIME: 15:04:02

Input Set : **A:\pto.da.txt**
Output Set: **N:\CRF4\08142003\I834792C.raw**

L:496 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:4